Minors

Introduction

Minors are defined as either "studies in the discipline" or as "teaching." Teaching minors are those approved by the State Department of Public Instruction for licensure. Requirements for teaching minors include an education major, passing score on the content exam for the minor, portfolio evidence of competence in the Wisconsin Teacher standards and the minor's content, and student teaching experience in the minor field. Contact the School of Education for information regarding teaching minors. Approval forms and minor program plans are available from the School of Education office and the department offices offering the minor.

Applied Foreign Language

Department of Speech Communication, Foreign Language, Theatre and Music

Before declaring the minor, student must have approval of an individual course plan. The applied project requires signatures of both major and minor program advisers. Until a specific course is developed, the applied project will be an independent study.

26 credits are required.

XXX-XXX	Elementary Foreign Language A	8
XXX-XXX	Intermediate Foreign Language A	8
XXX-XXX	Elementary Foreign Language B	8
XXX-XXX	Applied project linking foreign language with student's major program	2

Applied Photography

Department of Apparel and Communication Technologies

24 credits are required.

Required Courses

GCM-141	Graphic Communications	3
PHOTO-204	Exploring Photography	3
PHOTO-311	Advertising and Public Relations Photography	3
PHOTO-340	History of Photography	3
PHOTO-495	Professional Portfolio Development	3

Choose three of the following selectives:

PHOTO-305	Photo Processes	3
PHOTO-330	Video Production	3
PHOTO-411	Photojournalism and Documentary Photography	3
PHOTO-412	Nature Photography	3
PHOTO-430	Video/Cinema Practicum	3
PHOTO-441	Fashion and Glamour Photography	3
PHOTO-451	Product Photography	3

Art

Department of Art and Design

22 credits are required.

Required Courses

ART-100	Drawing I	3
ART-101	Fundamentals of Design	3
ARTH-222	Introduction to Art	3

Selectives

The additional 13 selective credits may be accumulated for a general or a concentrated minor. For a general art minor, students may select 13 credits from ART-XXX, DES-XXX or ARTH-XXX. For a concentrated minor, students select 13 credits in one specific art or design area such as art history, art metals or printmaking. At least seven of the 13 credits must be from ART-XXX, DES-XXX or ARTH-XXX. A minimum of six credits must be completed at UW-Stout to receive an Art minor. A minimum grade of "C" (2.0) is required in all courses.

Biology

Department of Biology

20 credits required

Select one of the following:

BIO-101	Introductory Biology	4
BIO-111	Science, Society, and the Environment	4
BIO-132	Human Biology	4
BIO-135	Organismal Biology	4

Additional courses to complete 20 credits will be selected in consultation with a biology minor adviser and with the approval of the biology department chair. Selected courses must include two laboratory courses, at least one of which must be at the 300 level or above. A minimum of six credit must be taken in the UW-Stout Biology Department. A maximum of 14 transfer credits may be applied to the minor. A minimum grade of "C" is required for all courses applied to the Biology minor.

Biomedical Instrumentation

Department of Engineering and Technology

22 credits are required

CHEM-125	Principles of Chemistry for Health Sciences *or*	
CHEM-135	College Chemistry I	5
BIO-234	Physiology and Anatomy	4
ELEC 204	Electricity Electronics Fundamentals *or*	
ELEC 260	Electrical Circuits *or*	
ELEC 290	Circuits and Devices *or*	
CEE 205	Circuit Analysis and Design.	3-4
ELEC-XXX	Biomedical Instrumentation	3
BIO-358	Introductory Pharmacology *or*	
BIO-360	Introduction to Neuroscience *or*	
BIO-362	Advanced Physiology	2-3

Selectives

Additional courses to complete 22 credits will be selected from a list provided by the adviser.

Business Administration

Department of Business

22 credits are required.

Required Courses

BUACT-206	Introduction to Financial Accounting	3
BUACT-207	Introduction – Corporate and Managerial Accounting	3
BUMGT-304	Principles of Management	3
BUMKG-330	Principles of Marketing	3
ECON-210	Principles of Economics I	3
ECON-215	Principles of Economics II	3

Selectives

Select 4 credits from the list supplied by the department.

Chemistry

Department of Chemistry

22 credits are required.

Required Courses

CHEM-125 Principles of Chemistry for Health Sciences *or*
CHEM-135 College Chemistry I 5
CHEM-136 College Chemistry II 5
CHEM-201 Organic Chemistry I 4

Select one of the following courses:

CHEM-204 Organic Chemistry II Lecture 3
CHEM-331 Quantitative Analysis 3
CHEM-335 Instrumental Methods of Analysis 3
CHEM-301 Physical Chemistry Lecture *and* 3
CHEM-303 Physical Chemistry Laboratory 1

Selectives

Additional departmental offerings to complete 22 credits will be selected. A minimum grade of "C" (2.0) is required in all chemistry courses applied toward the chemistry minor.

Coaching

Department of Physical Education

24 credits are required.

Area I: Medical Emergencies (5 credits required)

HLTH-340 ARC Standard First Aid and Personal Safety 2
HLTH-350 Prevention and Care of Athletic Injuries 3

Area II: Principles and Psycho-Social Foundations of Coaching (4 credits required)

PE-352 Theory and Management of Coaching 2
PE-362 Psycho-Social Aspects of Athletics 2

Area III: Methods and Strategies of Coaching (2 credits required)

PE-401 Coaching Gymnastics 2
PE-460 Coaching Basketball 2
PE-461 Coaching Football 2
PE-465 Coaching Competitive Swimming 2
PE-470 Coaching Baseball 2
PE-471 Coaching Track and Field 2
PE-477 Coaching Tennis 2
PE-478 Coaching and Officiating Volleyball 2
PE-479 Coaching Wrestling 2
PE-480 Coaching Young Athletes 2
PE-481 Coaching Ice Hockey 2
PE-483 Coaching Softball 2
PE-483 Coaching Soccer 2

Area IV: Kinesiological and Biomechanical Foundations of Coaching (7 credits required)

BIO-132 Human Biology *or*
BIO-134 Physiology and Anatomy 4
HLTH-355 Kinesiology 3

Area V: Physiological Foundations of Coaching (3 credits required)

HLTH-365 Physiology of Exercise 3

Area VI: Practicum in Coaching (required)

PE-490 Practicum in Coaching 1-3

Area VII: Selectives

Select additional courses from the list supplied by the department for the 24-credit minor.

Cognitive Neuroscience

Department of Psychology

20 credits are required

Required courses

CNS-200 Introduction to Cognitive Neuroscience 3
CNS-201 Introduction to Cognitive Neuroscience Laboratory 1
BIO-360 Introduction to Neuroscience 3
PSYC-391 Applied Psychophysiological Methods 3
CNS-XXX Independent Study 1-2
CNS-XXX Special Topics in Cognitive Neuroscience 1-4

Selectives

PSYC-442 Cognitive Process *or*
PSYC-432 Perception 3

Electives

Select additional courses to complete 20 credits from the approved list supplied by the advisor. Psychology Majors: No more than 50 percent of credits in the minor can be in PSYC courses.

Computer Science

Department of Mathematics, Statistics and Computer Sciences

22 credits are required.

Required Courses

CS-144 Computer Science I 3
CS-145 Computer Science II 3
CS-245 Introduction to Computer Organization 3
CS-244 Data Structures 4

Selectives

Select additional courses to complete 22 credits from the approved list supplied by the department. Grades for courses taken for the minor must be 2.0 (C) or better.

Construction Safety/Risk Control

Department of Engineering and Technology
Construction Department

18 credits are required.

Required Courses (11 credits)

RC-388 Construction Safety 3
RC-392 Construction Risk Management 3
RC-383 Occupational Safety Health and Environmental Standards 3
AEC-449 Cooperative Education Experience 2

Selectives

Select 7 credits for selectives from program plan sheet supplied by adviser. The minor is specifically limited to Construction majors or those who have taken the eight construction course sequence containing the integrated Risk Control content.

Disability Services

Department of Rehabilitation and Counseling

22 credits are required.

Required Courses

REHAB-101 Introduction to Rehabilitation 3
REHAB-102 Community Resources 3
REHAB-230 Psychosocial Aspects of Disability 3

Selectives

Choose 10 credits of restricted professional selectives. See the adviser for available offerings.

REHAB-205 Rehabilitation Practicum 3-4

*Can be taken **only** after all 19 other rehabilitation credits are complete.*

Economics

Department of Social Sciences

20-21 credits are required.

Required Courses

ECON-210	Principles of Economics I	3
ECON-215	Principles of Economics II	3
ECON-325	Economic and Business Statistics *or*	
STAT-130	Elementary Statistics *or*	
STAT-320	Statistical Methods	2-3
ECON-410	Microeconomics	3
ECON-415	Macroeconomics	3

Selectives

Select six additional credits from the approved course list supplied by the department.

Teaching Certification

In addition to the 20-21 credits required for the economics minor, students seeking teaching certification must take:

EDUC-304	Secondary Curriculum Methods and Assessment	2
EDUC-305	Secondary Student Teaching	2

English Literature

Department of English and Philosophy

15 credits are required.

Take one or more courses in each of the following categories:

Historical Perspective (3 or more credits)

LIT-250	Classical and Biblical Literature in Translation	3
LIT-248	American Literature	3
LIT-350	Modern British Literature	3
LIT-260	Modern American Literature	3
LIT-301	English Literature	3
LIT-306	Shakespeare	3
LIT-450	Studies in Literature	1-3

Cultural and Societal Perspectives (3 or more credits)

LIT-202	The Family in Literature	3
LIT-208	Fiction Into Film	3
LIT-255	Recent World Literature	3
LIT-272	Woman Writers	3
LIT-273	American Multicultural Literature	3
LIT-281	Recent American Literature	3
LIT-450	Studies in Literature	1-3

Genre (3 or more credits)

LIT-203	American Poets	3
LIT-205	The Short Story	3
LIT-286	Detective Fiction	3
LIT-300	Children's Literature	3
LIT-304	American Folklore	3
LIT-280	Best Sellers	3
LIT-285	Science Fiction	3
LIT-450	Studies in Literature	1-3

At least six credits in the minor must be taken at UW-Stout. A student must have a 2.75 grade point average in those English and Literature courses presented for the minor.

English Writing

Department of English and Philosophy

15 credits are required

Select 12-15 credits from the following:

ENGL-207	Writing For the Media	3
ENGL-320	Business Writing	3
ENGL-245	Creative Writing	3
ENGL-246	Informational Writing	3
ENGL-247	Critical Writing	3
EGNL-356	Creative Writing Workshop	3
ENGL-399	Independent Study	1-2
ENGL-418	Writing on Issues	1
ENGL-325	Copy Editing and Preparation	2
ENGL-499	Independent Study	1-2
ENGL-415	Technical Writing	3
ENGL-346	Research Reporting	3

Selectives

Select 0-3 additional credits to complete the minor from the approved list supplied by the department.

At least six credits in the minor must be taken at UW-Stout. A student must have a 2.75 grade point average in those English courses presented for the minor.

Environmental Studies

Department of Biology

22-23 credits required

Required courses:

BIO-111	Science, Society and the Environment	4
BIO-350	Ecology	3
BIO-444	Problem Solving in Environmental Studies	3

Select at least 4 credits of additional science courses from the following:

BIO-242	Botany	4
BIO-252	Zoology	4
BIO-255	The Biology of Fly Fishing	2
BIO-489	Advanced Biology Experience	1-4
CHEM-115	General Chemistry	5
CHEM-135	College Chemistry I	5
CHEM-353	Environmental Chemistry	3
CHEM-452	Environmental Regulations Management	3
PHYS-257	Introduction to Geology and Soil Mechanics	3
PHYS-258	Introduction to Geology	2

Select one course from each of the following areas for a total of 8-9 credits:

College of Arts, Humanities and Social Sciences

ANTH-220	Cultural Anthropology	3
GEOG-104	World Geography	3
PHIL-235	General Ethics	3
SOC-225	Social Problems	3

College of Science, Technology, Engineering and Mathematics

BUMKG-308	Marketing for Non-Profits	2
MEDIA-412	Nature Photography	3

College of Education, Health and Human Sciences

PSYC-281	Environmental Psychology	3

Other courses may be used in these categories as long as they commit a significant portion of the curriculum to the topics of sustainability, environmental citizenship, and other human-based interactions with the environment.

Food Technology

Department of Food and Nutrition

35 credits are required.

Required Courses

INMGT-200	Production and Operations Management	3
PKG-150	Packaging Fundamentals	2
FN-124	Foods *or*	
FN-240	Food Science	4
FN-212	Nutrition	3
FN-342	Advanced Foods	3
FN-438	Experimental Foods	3
FN-350	Food Processing	3
BIO-306	General Microbiology	4
CHEM-311	Biochemistry	4
CHEM-315	Food Chemistry	3
PHYS-211	Introduction to Physics	3

Gaming Entertainment Management

Department of Hospitality and Tourism

23 credits are required.

Required Courses

BUACT-206	Introduction to Financial Accounting	3
HT-315	Gaming Management	3
HT-316	Casino Operations Management	3
HT-317	Psychosocial Issues in Gaming	3
HT-360	Tourism for Persons With Disabilities	2
HT-418	Casino Tourism	3

Select one course from each of the following groups:

HT-344	Hospitality and Tourism Marketing and Sales *or*	
BUMKG-330	Principles of Marketing *or*	
SRVM-354	Services Marketing Management	3
HT-460	Hospitality Industry Law and Liability *or*	
BULGL-318	Business Law I	3

Geographic Information Systems

Department of Social Sciences

20 credits are required

Required Courses

GEOG-251	Introduction to Geography and Geographic Information Systems	4
GEOG-351	Intermediate Geographic Information Systems	4
GEOG-451	Advanced Geographic Information Systems	4
GEOG-452	Geographic Information Systems Research Applications	2-4

Selectives

Additional courses to complete a minimum of 20 credits will be selected in consultation with your adviser. Selectives include at least two courses 200 level or above that enhance the tools of GIS for individual programs. A minimum grade of ìCî is required for all courses applied to the Geographic Information Systems minor.

Health and Fitness

Department of Physical Education and Athletics

18-21 credits are required.

Required Courses

HLTH-375	Organization and Administration of Health Education	3
HDFL-115	Individual and Family Relations	or
HDFL-728	Fmaily Life Issues	2-3
FN-102	Nutrition for Healthy Living	2
BIO-132	Human Biology	or
BIO-234	Physiology and Anatomy	4
HLTH-360	Personal Health and Wellness	3
HLTH-340	ARC Standard First Aid and Personal Safety (*or current certification*)	2
HT-390	Recreation and Fitness Management	2
HT-XXX	Health and Fitness Practicum	2

Selectives

1-4 additional credits of selectives from program plan sheet supplied by adviser.

Health and Fitness Education

Department of Physical Education and Athletics

24 credits are required.

Required Courses

BIO-132	Human Biology *or*	
BIO-234	Physiology and Anatomy	4
HLTH-360	Personal Health and Wellness	3
HLTH-375	Methods in Health Education	2
HLTH-376	Organization and Administration of Health Education	3
HLTH-485	Student Teaching in Health Education	2

Selectives

10 additional credits of selectives from program plan sheet supplied by adviser. A teaching major with professional education courses is required for teacher certification.

History

Department of Social Sciences

22 credits

Required Courses

HIST-120	Early United States History	3
HIST-121	Modern United States History	3
HIST-140	Western Civilization	3
HIST-141	Western Civilization	3

Selectives

Additional departmental offerings to complete 22 credits will be selected.

History Teaching

Department of Social Sciences

24 credits are required.

Required Courses

EDUC-305	Secondary Student Teaching	2
HIST-120	Early United States History	3
HIST-121	Modern United States History	3
HIST-140	Western Civilization	3
HIST-141	Western Civilization	3
HIST-460	History Methods	2

Selectives

Choose two of the following courses:

HIST-322	African-American History	3
HIST-360	Asian History	3
HIST-380	Latin American History	3

Additional departmental offerings to complete 24 credits will be selected.

Human Development and Family Studies

Department of Human Development and Family Studies

22 credits are required.

Required Courses

HDFS-115	Individual and Family Relations	3
HDFS-255	Lifespan Human Development	3
HDFS-215	Dynamics of the Family	3

Additional departmental offerings to complete 22 credits will be selected.

Human Resource Management

Department of Psychology

20-24 credits are required.

A. Core courses (9 credits)

PSYC-382	Human Resource Management	3
PSYC-485	Recruitment and Selection of Human Resources	3
PSYC-403	Management of Employee Reward Systems (Compensation)	3

Take one course from each of the following areas:

B. Diversity (2-3 credits)

PSYC-340	Psychology of Individual and Group Difference	3
INMGT-415	Women and Minorities in Management	2
PSYC-372	Psychology of Sex and Gender	3
REHAB-462	Disability Management	3
SOC-275	Sociology of Gender Roles	3
SOC-375	Sociology of Minority Groups	3

C. Teamwork (2-3 credits)

INMGT-430	Employee Involvement: Work Teams	2
PSYC-270	Social Cognition and Behavior	3
PSYC-370	Interpersonal Effectiveness	3
PSYC-379	Public Relations	2
PSYC-455	Myers-Briggs Type Indicator	3

D. Organization Training and Development (3 credits)

TRHRD-360	Training Systems in Business and Industry	3
INMGT-325	Quality Management	3
RC-381	Occupational Safety/Loss Control	2-3

E. Leadership (3 credits)

INMGT-400	Organizational Leadership	3
PSYC-381	Industrial Psychology	3

F. Experiential (2 credits, with approval)

PSYC-X98	Psychology Field Experience	2
XXX-X49	Cooperative Education Experience	1-8

Information and Communication Technologies

Department of Apparel and Communication Technologies

24 credits are required

Required Courses

TCS-103	Communication and Information Technologies	3
TCS-131	Network Operating Systems Fundamentals	3
GCM-141	Graphic Communications	3
MEDIA-204	Exploring Photography	3
TCS-305	Office Automation Technology	3

Selectives

Select 9 credits from the list supplied by the adviser.

Journalism

Department of English and Philosophy

22 credits are required.

Required Courses

MEDIA-304	Elementary Photography	2-3
GCM-141	Graphic Communications and Electronic Publishing	3
ENGL-207	Writing for the Media	3
ENGL-210	Journalism Practicum	1
ENGL-325	Copy Editing and Preparation	2

Writing Selectives

Select 3 to 10 credits from the following:

ENGL-320	Business Writing	3
ENGL-245	Creative Writing	3
ENGL-246	Informational Writing	3
ENGL-247	Critical Writing	3
ENGL-415	Technical Writing	3

Technical Specialty Selectives

Select up to 7 credits from the following:

Projects Emphasis:

ENGL-210	Journalism Practicum	1
ENGL-437	Technical Writing Practicum	1-3

Public Relations Emphasis:

BUMKG-370	Principles of Advertising	3
PSYC-379	Public Relations	2

Media Emphasis:

ENGL-318	Mass Communication: Effects of Technology on Society	3

Production Emphasis:

GCM-345	Publications Production	3

Lodging Management

Hospitality and Tourism Department

23 credits are required.

Required Courses

BUACT-206	Introduction to Financial Accounting	3
BULGL-318	Business Law	3
HT-133	Front Office Management	3
HT-130	Housekeeping Procedures	2
HT-200	Hospitality Organization Management	3
HT-251	Hospitality Marketing	3
HT-361	Hospitality Accounting	3
HT-430	Lodging Administration	3

Materials

Chemistry Department

22-27 credits are required.

Required Courses

MFGE-333	Polymer Processes	3
MFGE-343	Casting, Ceramics and Powder Metal Processes	3
CHEM-201	Organic Chemistry I	4
CHEM-301	Physical Chemistry Lecture	3
CHEM-303	Physical Chemistry Laboratory	1
CHEM-341	Chemistry of Materials	4

Selectives

Select one course with approval of minor adviser.

CHEM-440	Advanced Materials Laboratory	1-3
XXX-X99	Independent Study in Materials	1-3

Select one option with approval of minor adviser.

Option 1

CHEM-470	Chemistry of Materials II	3

Option 2

PHYS-331	Statics	3
PHYS-333	Dynamics	3

Option 3

MFGE-293	Engineering Mechanics	3
MFGE-294	Mechanics of Materials	3

As background for the materials minor, it is recommended that either CHEM-135 College Chemistry I, or CHEM-125 Chemistry for the Health Sciences be selected as a natural science general education course.

Mathematics

Department of Mathematics, Statistics and Computer Sciences

Teaching Certification

27 credits are required.

Twenty-two credits must be in the discipline and two credits in a teaching practicum.

Choose one option:

Option 1:

STAT-330	Probability and Statistics for Engineering and the Sciences	3

Option 2:

STAT-331	Probability and Mathematical Statistics I	3
STAT-332	Probability and Mathematical Statistics II	3

Required Courses

MATH-153	Calculus I *or*	
MATH-156	Calculus and Analytic Geometry I	4-5
MATH-154	Calculus II *or*	
MATH-157	Calculus and Analytic Geometry II	4-5
MATH-158	Calculus III	3
MATH-262	Modern Geometry	3
MATH-275	Linear Algebra	3
MATH-370	Modern Algebra I	3
EDUC-304	Secondary Curriculum Methods and Assessment	2
EDUC-305	Secondary Student Teaching	2

Selectives

Additional courses to complete 27 credits will be selected with advisement.

Non-teaching Minor

22 credits required.

Required Courses

Select one option:

Option 1:

MATH-153	Calculus I	4
MATH-154	Calculus II	4

Option 2:

MATH-156	Calculus and Analytic Geometry I	5
MATH-157	Calculus and Analytic Geometry II	5

Selectives:

Student may select up to 6 credits from Group I:

CS-141	Computer Programming – BASIC	2
CS-144	Computer Science I	3
CS-145	Computer Science II	3
STAT-320	Statistical Methods	3

The course STAT-320 may not be included if either STAT-331 or STAT-332 is selected from Group II.

Students must select 9-14 credits from Group II:

STAT-330	Probability and Statistics for Engineering and the Sciences *or*	
STAT-331	Probability and Mathematical Statistics I	3
STAT-332	Probability and Mathematical Statistics II	3
MSCS-280	Graph Theory With Applications in Computer Science	3
MSCS-446	Numerical Analysis I	3
MSCS-447	Numerical Analysis II	3
MATH-158	Calculus III	3
MATH-250	Differential Equations/Linear Algebra *or*	
MATH-255	Differential Equations	3
MATH-262	Modern Geometry	3
MATH-275	Linear Algebra	3
MATH-370	Modern Algebra I	3
MATH-371	Modern Algebra II	3
MATH-450	Real Analysis I	3
MATH-451	Real Analysis II	3
MATH-460	Complex Variables With Applications	3

Note: *Both the teaching and non-teaching minors require a grade point of 2.0 or better in all courses applied to the minor.*

Mechanical and Electrical Construction

Construction Department

22 credits are required.

Required Courses

AEC-438	Contract Requirements and Specifications	3
AEC-452	Environmental Systems - HVAC	3
AEC-453	Environmental Systems - Plumbing and Electrical	3
RC-388	Construction Safety	2
AEC-4XX	Advanced Mechanical Systems for Building Construction	3
AEC-4XX	Advanced Electrical Systems for Building Construction	3
AEC-4XX	Mechanical and Electrical Construction Management	3
AEC-499	Cooperative Educational Experience	2

Military Leadership

Department of Military Science

21 credits are required

Military Science emphasis area (select 6 credits)

MSL-101	Foundations of Officership	1
MSL-102	Basic Leadership	1
MSL-201	Individual Leadership Studies	2
MSL-202	Leadership and Teamwork	2
MSL-301	Adaptive Team Leadership	3
MSL-302	Leadership Under Fire	3

History emphasis area (select 6 credits, 3 credits must be 300-level or higher)

HIST-120	Early United States History	3
HIST-121	Modern United States History	3
HIST-210	Modern World	3
HIST-320	History of World War II	3
HIST-350	History of the Viet Nam War	3
HIST-380	Latin American History	3

Human Society emphasis area (select 6-8 credits)

ANTH-220	Cultural Anthropology	3
FREN-201	Intermediate French I	4
PHIL-235	General Ethics	3
POLS-210	American Government	3
POLS-260	Problems of U.S. Foreign Policy	3
POLS-270	Introduction to Comparative Government	3
POLS-340	International Relations	3
PSYC-110	General Psychology	3
PSYC-120	Psychology of Adjustment	3
SOC-110	Introductory Sociology	3
SOC-225	Social Problems	3
SPAN-201	Intermediate Spanish I	4

Leadership and Management emphasis area (select 3 credits)

BUMGT-304	Principles of Management	3
BUMKG-438	Principles of Logistics	3
COUN-405	Introduction to Basic Counseling Skills	3
INMGT-400	Organizational Leadership	3
LOG-250	Critical Thinking	3
LOG-301	Introduction to Logical Thinking	3
PSYC-382	Human Resource Management	3

Philosophy

Department of English and Philosophy

15 credits are required.

Required courses

PHIL-235	General Ethics	3
LOG-301	Introduction to Logical Thinking *or*	
LOG-250	Critical Thinking	3

Select 9 credits from the following:

PHIL-201	Introduction to Philosophy	3
PHIL-205	Philosophy of Religion	3
PHIL-215	Eastern Philosophy	3
PHIL-220	Multicultural Philosophy	3
PHIL-225	Belief, Knowledge, and Truth	3

Note: At least six credits in the minor must be taken at UW-Stout. A minimum grade of C is required for each course in the minor with an overall grade point average of 2.67.

Physics

Department of Physics

22 credits are required.

Required Courses

Select one group from the following:

Group I:

PHYS-241	College Physics I	5
PHYS-242	College Physics II	5

Group II:

PHYS-281	University Physics I	5
PHYS-282	University Physics II	5
PHYS-329	Atomic and Nuclear Physics	3

Selectives

At least 9 credits from departmental offerings at the 300-level or higher must be included in the minor program.

Project Management

Department of Operations and Management

18-20 credits are required *(depending on major)*

Required Courses

AEC-438	Contract Requirements and Specifications *or*	
BULGL-318	Business Law I	3
AEC-470	Contruction Estimating II *or*	
BUACT-206	Introduction to Financial Accounting	-3
INMGT-325	Quality Management	3
INMGT-365	Project Management *or*	
AEC-471	Project Scheduling	3
INMGT-400	Organizational Leadership *or*	
INMGT-430	Employee Involvement: Work Teams	2-3
SPCOM-210	Interpersonal Speech Communication *or*	
SPCOM-308	Speech Skills for Business and Industry	2
INMGT-475	Advanced Project Management	3

Property Management

Department of Hospitality and Tourism

21-24 credits are required.

Required Courses

INMGT-450	Maintenance Management	2
BUACT-206	Introduction to Financial Accounting	3
BULGL-365	Principles of Real Estate	2
PM-370	Principles of Property Management	3
PM-470	Seminar in Property Management	2
PM-449	Co-op Education Experience	1-3
BULGL-318	Business Law I *or*	
HT-460	Hospitality Law and Liability	3

Real Estate Tracks (choose one)

Track 1: Real Estate Operations

PM-371	Commercial/Residential Property Development and Management	3
HT-330	Resort Operations and Management	3

Track 2: Resort Operations

HT-374	Principles of Time Share Administration	3
HT-374	Time Share Management	3

Track 3: Individual Program Design

Any 300- or 400-level course from AEC, BULGL, INMGT, HT or PM approved by the Minor adviser.

Psychology

Department of Psychology

18 credits are required.

Required Courses

PSYC-110	General Psychology	3
PSYC-190	Psychological Research Methods	4
PSYC-251	Child Psychology *or*	
PSYC-352	Adolescent Psychology	3
PSYC-460	Personality and Mental Health *or*	
PSYC-361	Abnormal Psychology *or*	
PSYC-473	Psychology of Stress	2-3

Selectives

Select 5-6 or more credits from any of the courses above not already taken or from the list supplied by the department.

Quality Engineering

Operations and Management Department

24 credits are required

Required courses:

INMGT-325	Quality Management	3
INMGT-422	Quality Engineering	3
INMGT-410	Six Sigma	3
INMGT-425	Planned Experimentation	3
INMGT-440	Lean Enterprise	3
INMGT-465	Reliability Engineering	3

Selectives

Select 6 additional credits from the list supplied by the department.

Quality Management

Operations and Management Department

21 credits are required.

Required Courses

INMGT-320	Quality Assurance	3
INMGT-325	Quality Management	3
INMGT-410	Quality Six Sigma Quality Improvement Methods	3
INMGT-420	Quality Practicum	3
INMGT-440	Lean Enterprise	3

Selectives

Select 6 additional credits from the list supplied by the department.

Retailing

Department of Business

21 credits are required.

Required Courses

BURTL-112	Trend Forecasting	3
BURTL-227	Basic Merchandising	3
BURTL-229	Visual Merchandising *or*	
BURTL-327	Store Management	3
BURTL-329	Fashion Promotions	3
BURTL-425	Current Retail Strategies	2
BURTL-430	Merchandise Planning and Control	4

Selectives

3-6 additional retail course credits approved by the department.

Sociology

Department of Social Sciences

21 credits are required.

Required Courses

ANTH-220	Cultural Anthropology	3
SOC-110	Introductory Sociology	3
SOCWK-205	Introduction to Social Work	3

Selectives

Additional courses to complete 21 credits will be selected from the program plan sheet provided by the department.

Note: A minimum grade of C- is required for each course in the minor with an overall grade point average of 2.5 in required courses. The three required courses and at least two selective courses must be completed at UW-Stout to fulfill the residency requirement.

Spanish

Department of Speech Communication, Foreign Language, Theatre and Music

24 credits are required.

Required Courses

SPAN-121	Practical Spanish I *and*	
SPAN-122	Practical Spanish II	4
	or	
SPAN-103	Elementary Spanish I	4
SPAN-104	Elementary Spanish II	4
SPAN-201	Intermediate Spanish I	4
SPAN-202	Intermediate Spanish II	4
SPAN-227	Conversation and Composition	2
SPAN-229	Hispanic Literature in America	2

4-6 additional Spanish course credits approved by the Spanish adviser. Students are also required to demonstrate their proficiency in spoken Spanish by taking an outside examination as recommended by the Spanish faculty.

Speech Communication

Department of Speech Communication, Foreign Language, Theatre and Music

17 credits are required.

Required Courses

SPCOM-100	Fundamentals of Speech	2

Selectives

Select 15 credits from the list supplied by the department and approved by the Speech Minor adviser to best fulfill your individual, career and academic needs.

Supply Chain Management

Operations and Management Department

22 credits required

Required courses:

INMGT-305	Production and Inventory Control	3
INMGT-405	Production and Inventory Control Practicum	2
INMGT-320	Quality Tools	3
BUMKG-337	Purchasing and Supply Chain Management	3
INMGT-325	Quality Management	3
BUMKG-438	Principles of Logistics	3

Selectives

Select at least 5 credits from the list of courses supplied by the department.

Sustainable Design and Development

Department of Engineering and Technology

23 credits are required

Required Courses

AEC-191	The Built Environment *or*	
DES-150	Introduction to Sustainable Design *or*	
MFGE-106	Impacts of Engineering Design *or*	
PKG-100	Packaging and Society	2
CHEM-125	Principles of Chemistry for Health Sciences *or*	
CHEM-135	College Chemistry I	5
BIO-111	Science, Society and the Environment	4
SUST-425	Sustainable Design and Development Capstone	3

Environmental Science Elective: select one of the following:

BIO-350	Ecology *or*	
CHEM-353	Environmental Chemistry	3

Design and Development Elective: select one of the following:

SUST-315	Sustainable Engineering *or*	
DES-350	Sustainable Design Studio *or*	
DES-431	System, Environment and Context	3

Select one of the following:

BUACT-410	Manufacturing Cost Analysis	3
BUMKG-438	Principles of Logistics	3
BUMKG-337	Purchasing and Supply Chain Management	3
CHEM-452	Environmental Regulations Management	3
ECON-350	Environmental and Natural Resources Economics	3
ECON-480	International Economics	3
SUST-3XX	Renewable Energies and Resources	3
POLS-250	Politics of Technology	3
PSYC-281	Environmental Psychology	3
POLS-315	Public Policy Awareness	3
SOC-300	Sociology of Technology	3

Technical Writing

Department of English and Philosophy

15 credits are required.

Required Courses

ENGL-225	Copy Editing and Preparation	2
ENGL-415	Technical Writing	3
ENGL-437	Technical Writing Practicum	1-3

Select 6-9 credits in consultation with the adviser.

Tourism

Department of Hospitality and Tourism

24 credits are required.

Required Courses

HT-140	Introduction to Tourism	2
HT-340	Development of Tourism Attractions	3
HT-240	Tourism Goods and Services	3
HT-440	Sociocultural Systems of Tourism	3
HT-341	Geography of Tourism	3
HT-360	Hospitality and the Handicapped Traveler	1

Select 4 credits from the following:

FREN-101	Elementary French I	4
FREN-102	Elementary French II	4
SPAN-103	Elementary Spanish I	4
SPAN-104	Elementary Spanish II	4

A comparable number of credits in a well-known language used in travel and trade may be substituted.

Selectives

Five credits required.

Traffic Safety Education

Risk Control Center

22 credits are required.

Required Courses

RC-271	Safety Principles and Practices *or*	
RC-381	Principles of Occupational Safety/Loss Control	3
RC-371	Alcohol, Drugs and Accident Prevention	3
RC-372	Behavioral Approach to Accident Prevention	3
RC-374	Driver Education Laboratory Methods and Techniques	3
RC-375	Driver and Traffic Safety	3

Select 7 credits from the following:

MEDIA-360	Introduction to Media in Education and Training	2
TECED-260	Curriculum Methods and Assessment for Technology Education	3
TECED-460	Advanced Curriculum Methods and Assessment for Technology Education	3
FCSE-201	Presentation Strategies for Family and Consumer Sciences	2
FCSE-301	Family and Consumer Sciences Education Curriculum	3
SCOUN-301	Introduction to Guidance	2
EDUC-303	Educational Psychology	3
HLTH-340	ARC Standard First Aid and Personal Safety	2
SPCOM-236	Listening	2

Women and Gender Studies

Academic and Student Affairs

21 credits are required.

Required Courses

WGS-210	Introduction to Women and Gender Studies	3
CSTEM-125	Gender and Science, Technology, Engineering and Mathematics	3
INMGT-415	Inclusivity in Leadership *or*	
INMGT-416	People Process Culture	3

Selectives (12 credits)

Choose 6 credits or more credits from Level A. Remaining credits may be chosen from either Level A or Level B.

Level A

ARTH-332	Gender and Art	3
HDFS-257	Lifespan Sexuality	3
HDFS-320	Divorced, Single Parent, and Remarried Family	2
HDFS-350	Women's Relationships in Later Life	3
HDFS-352	Sexual Minority Individuals and Families	2
HDFS-360	Work and Family Issues	2
HDFS-456	Abuse and the Family	3
HIST-321	U.S. Women's History	3
HIST 311	Women and War: A Global Perspective in the Modern Era	3
LIT-272	Women Writers	3
LIT 303	Coming of Age in Literature and Film	3
PSYC-372	Psychology of Sex and Gender	3
PSYC-374	Psychology of Women	2
PSYC-375	The Psychology of Marriage and the Family	2
SOC-275	Sociology of Gender Roles	3
WS-310	Women's Studies Practicum	1-3
WS-311	Topics in Women's Studies	1-3

Level B

APRL-211	History of Fashion – 19th Century to Present	3
BIO-130	Human Sexual Biology	3
BURTL-319	Int'l Economic Trends in Textiles and Clothing	3
BURTL-417	Social/Psychological Aspects of Clothing	3
EDUC-336	Multiculturalism: Issues and Perspectives	2
HDFS-340	Human Development: Late Adulthood	3
HDFS-341	Family Caregiving to Dependent Elders	1
HDFS-345	Health Care Dilemmas and Decisions for Families	2
HDFS-426	Working with Transnational Families	2
HDFS-440	Child and Family Law	3
HDFS-450	Family Policy	3
PHIL-220	Multicultural Philosophy	3
PSYC-370	Interpersonal Effectiveness Training	2